KOGNITY

IGCSE Physics
Teacher to Teacher Tips

Kognity is designed to help you prepare your students for success in their studies, while saving you time in the process. We have taken some of the most frequently asked questions from IGCSE Physics teachers and asked other IGCSE Physics teachers to provide the answers to them. Explore them below!

How can I use Kognity to support whole class teaching and progression through the scheme of work?

Unlike many textbooks, which can be conceptual in nature and light on detail, Kognity Physics is content rich. Individual sections can be accessed by a student as a piece of standalone background reading in addition to its primary purpose of providing a supportive fall back.

As you progress through a scheme of work you will wish to build each student's foundational knowledge and provide them with a strong base from which they can access higher grades. Kognity provides both reference material, which classroom activities can be designed to access, and assessment materials. Assessment materials can be self-assessed and used by the student to checkpoint, in addition they can also be individually assigned by a teacher as a means of formative assessment and targeted intervention.

How can I use Kognity to enable my students to progress towards mastery of key mathematical principles?

Worked examples provide a clear and permanent support structure for students who are struggling through the mathematical aspect of IGCSE Physics. Every fundamental equation, e.g., “the mole concept” or “relative formula mass” is accompanied by a worked example of its use and/or rearrangement. Whenever a student is “stuck” and asks for assistance your first response can nearly always be... “Look at the example in the book” Followed by a question that links to the problem faced by the student... e.g., “so which number will you substitute in for m?”

How can I encourage students to take ownership over their own learning?

With students, you can discuss the progress markers and strength bars in the textbook. These show students how much of the book they have completed and encourage them to revisit sections that they have not mastered or visited recently.